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(71) Applicant (for all designated States except US): **QUALCOMM INCORPORATED** [US/US]; Attn: International Ip Administration, 5775 Morehouse Drive, San Diego, California 92121 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LUNDBY, Stein Arne** [CH/US]; 5775 Morehouse Drive, San Diego, California 92121 (US). **SAMBHWANI, Sharad Deepak** [US/US]; 5775 Morehouse Drive, San Diego, California 92121 (US).

(74) Agents: **BACHAND, Richard A.** et al.; 5775 Morehouse Drive, San Diego, California 92121 (US).

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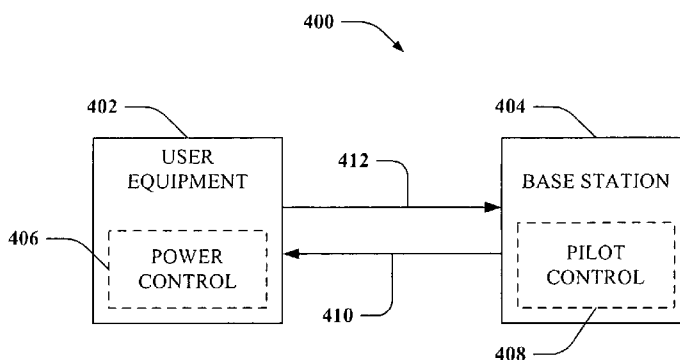
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(57) Abstract: Systems and methodologies are described that facilitate pilot channel optimization schemes for high data rate communications transmissions. In various illustrative implementations, pilot channel operations can be monitored and controlled by an exemplary base station for one or more cooperating wireless terminals (e.g., user equipment) such that one or more power features of the one or more cooperating wireless terminals can be illustratively changed in response to one or more selected pilot channel operational conditions. In an illustrative operation, an exemplary base station can engage one or more selected pilot channel control operations as part of pilot channel optimization comprising a jump detection technique, operating power control on another channel other than the DPCCCH, engaging in delayed power control, engaging in a soft-hand off power control in the instance of a boosted pilot channel, and resolving ambiguity in grant messages resulting from a pilot boost.

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